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PTO/SB/21 (04-04) (AW 06/2004)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/820,185
Filing Date	April 7, 2004
First Named Inventor	James Kolodzey, et al.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket No.	UOD-124US

ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
 - ☐ Fee Attached
- ☐ Amendment/Reply
 - ☐ After Final
 - ☐ Affidavits/Declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
Incomplete Application
 - ☐ Response to Missing Parts under
37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a
Provisional Application
- ☐ Power of Attorney, Revocation,
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Address
- ☐ Terminal Disclaimer
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- ☐ After Allowance Communication
to Technology Center (TC)
- ☐ Appeal Communication to Board
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- ☐ Appeal Communication to TC
(**Appeal Notice, Brief, Reply
Brief**)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please
identify below): (4) References;
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Remarks:

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual Name	Basil S. Krikelis	Registration No. (Attorney/Agent)	41,129
Signature			
Date	August 17, 2004		

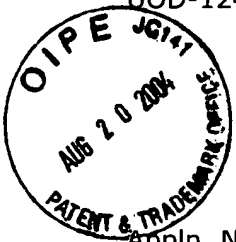
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Typed or printed name	Renee L. Sipple	Date	August 17, 2004
Signature			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.**

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/820,185
Applicant: James Kolodzey et al.
Filed: April 7, 2004
Title: TERAHERTZ FREQUENCY RADIATION SOURCES AND DETECTORS BASED
ON GROUP IV MATERIALS AND METHOD OF MANUFACTURE
TC/A.U.: Unknown
Examiner: Unknown

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Sir:

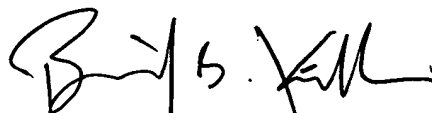
Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Basil S. Krikelis, Reg. No. 41,129
Attorney(s) for Applicant(s)

BSK/rls

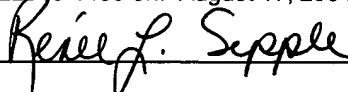
Enclosures: PTO Form 1449 - (4) References
Transmittal Form

Dated: August 17, 2004

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Renee L. Sipple

Substitute for Form 1449B/PTO

PTO/SB/08b (08-03) (AW 10/2003)

Approved for use through 6/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 1

Complete if Known

Application Number	10/820,185
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Filing Date	April 7, 2004
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First Named Inventor	James Kolodzey, et al.
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Art Unit	Unknown
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Examiner Name	Unknown
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Attorney Docket No.	UOD-124US
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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		T-Ray Imaging by D. Mittleman et al. in IEEE Journal of Selected Topics in Quantum Electronics Vol 2, 1996.	<input type="checkbox"/>
		Terahertz Technology by P. Siegel in IEEE Transactions on Microwave Theory and Techniques Vol. 50, 2002	<input type="checkbox"/>
		Intersubband Electroluminescence from Silicon-Based Quantum Cascade Structures, Science Vol 290, December 22, 2000	<input type="checkbox"/>
		Stimulated Emission from Donor-Transitions in Silicon, Physical Review Letters 84 (2000) by S. Pavlov et al.	<input type="checkbox"/>
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Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

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